



MATERIAL SAFETY
DATA SHEET

3M
3M CENTER
ST. PAUL, MINNESOTA
55144-1000
612/733-1110 - Operator 55

Duns No: 00-617-2082

DIVISION: ADHESIVES, COATINGS AND SEALERS
TRADE NAME: 3M Brand Super 77N Spray Adhesive
3M I.D. NUMBER: 62-4494-4830-7

ISSUED: NOVEMBER 8, 1985
SUPERSEDES: SEPTEMBER 1, 1984
DOCUMENT: 1033075

			EXPOSURE	
1. INGREDIENTS	C.A.S. NO.	PERCENT	LIMITS	
styrene butadiene rubber	N/A		N/D	5
terpene and rosin ester resins	N/A		N/D	5
antioxidant	N/A		N/D	5
TOTAL OF THE ABOVE	N/A	11.0	N/D	5
Methylene chloride	75-09-2	43.0	100 ppm	1
1-1-1-trichloroethane*	71-55-6	14.0	350 ppm	1
*May contain up to 2.4%	123-91-1		25 ppm	5
diethylene ether				
chlorodifluoromethane propellant	75-45-6	32.0	1000 ppm	1

SOURCE OF EXPOSURE LIMIT DATA:

1. ACGIH Threshold Limit Values
2. Federal OSHA Permissible Exposure Limit
3. 3M Exposure Guidelines
4. Chemical Manufacturer Recommended Guidelines
5. None Established

ABBREVIATIONS:

N/D - Not Determined
N/A - Not Applicable

2. PHYSICAL DATA

BOILING POINT:	Compressed gas
VAPOR PRESSURE:	Compressed gas
VAPOR DENSITY (Air=1):	>4
EVAPORATION RATE (Ether=1):	Slower
APPEARANCE AND ODOR:	Clear-light amber, sweet odor
SOLUBILITY IN WATER:	Very low
SP. GRAVITY (Water=1):	1.3
PERCENT VOLATILE:	89
VISCOSITY:	N/A
pH:	N/A

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3. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (Closed Cup): None
FLAMMABLE LIMITS - LEL: N/D UEL: N/D

EXTINGUISHING MEDIA:

Non-flammable

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Aerosol cans may explode when heated.

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4. REACTIVITY DATA

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STABILITY: STABLE

INCOMPATIBILITY - MATERIALS TO AVOID:

N/A

HAZARDOUS POLYMERIZATION: MAY NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:

Exposure to flame or extremely hot surfaces could produce HCl vapors or other hazardous chlorinated decomposition products.

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5. ENVIRONMENTAL INFORMATION

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SPILL RESPONSE:

If containers have ruptured, cover with absorbent material, place in metal container and seal.

RECOMMENDED DISPOSAL:

Empty container may be disposed in a sanitary landfill in accordance with local regulations. Do not puncture can or incinerate in household incineratory. Contains halogens. Empty cans, ruptured cans and absorbent should be incinerated properly in a permitted hazardous waste facility that can safely handle aerosol cans.

U.S. EPA Hazardous Waste No.: D001 (Ignitable).

ENVIRONMENTAL DATA:

N/D

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6. SUGGESTED FIRST AID

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EYE CONTACT:

Immediately flush eyes with plenty of water for at least 10 minutes and call a physician.

SKIN CONTACT:

Wash with soap and water.

INHALATION:

Provide fresh air.

IF SWALLOWED:

Call a physician.

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7. PRECAUTIONARY INFORMATION

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Use only in areas adequately ventilated with enough air movement to remove vapors and prevent vapor buildup. Avoid prolonged breathing of vapors and overspray (airborne particles) during application. Avoid contact with eyes and skin. Avoid vapor contact with open flames welding arcs or other high temperature sources which might cause vapor decomposition to produce harmful gases. Use protective equipment, i.e. safety glasses and gloves as appropriate for the work situation. For high volume usage, local exhaust ventilation should be used to maintain exposure levels below the established T.L.V.'s.

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8. HEALTH HAZARD DATA

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EYE CONTACT: May cause eye irritation upon direct contact with the spray.

SKIN CONTACT: Prolonged skin contact may defat the skin leading to irritation.

INHALATION: Exposure to solvent vapor concentrations exceeding the established threshold limit values can cause respiratory system irritation. Symptoms of overexposure are irritation, dizziness, headache and nausea. Chronic (long term) overexposure to solvent vapors may cause lung, liver and heart damage. Gross acute (short term) overexposure can result in numbness, heart damage and in the extreme, unconsciousness and death.

INGESTION: Accidental ingestion is unlikely from an aerosol container.

NOTE: Methylene chloride is considered to be an animal carcinogen based on laboratory studies of rats and mice at high levels of exposure. There is no data showing a relationship between these studies and the potential as a human carcinogen.

NOTE: The inhibitor present in the 1-1-1-trichloroethane, diethylene ether, has been rated as an animal carcinogen based on studies of test animals. No correlation has been established to indicate carcinogenicity in humans.

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.